

Please replace the title with the following:

--OPTICAL CODE READER FOR MEASURING PHYSICAL PARAMETERS  
OF OBJECTS--

IN THE SPECIFICATION:

Page 1, before the first line, insert

--This application is a divisional of Application No. 09/174,466, filed on  
10/19/98.--

IN THE CLAIMS:

Please cancel claims ~~6-15~~ and ~~22-35~~ without prejudice and add the following new  
claims:

--36. (New) An imaging system for measuring an orthogonal dimension of a  
rectangular solid object in a field of view of an imager, comprising:

means for obtaining pixel information for the field of view of the imager;

means for determining a distance between the object and the imager; and

means for determining the angles between edges of the rectangular solid

meeting at a corner of the object, determining an imaged length of at least one of the edges  
of the rectangular solid and scaling the determined image length of the at least one edge  
responsive to the determined angles and determined distance between the rectangular solid  
and the imager to obtain an approximation of the actual length of said at least one edge of  
the object.

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37. (New) The apparatus of claim 36, wherein the distance determining means includes an optical device for projecting a pattern onto the object and wherein the distance between the object and the imager is determined from a detected image of the pattern projected onto the object.

38. (New) The apparatus of claim 36, wherein the distance between the object and the imager is determined from at least one image dimension of an optical code symbol of known size on the object.

39. (New) The apparatus of claim 36, wherein the imager is a handheld imaging optical code reader.

40. (New) The apparatus of claim 36, wherein the apparatus determines the image length and actual length of three edges meeting at a nearest corner of the object.

41. (New) An imaging system for reading optical code and measuring a dimension of one or more features in a field of view of the system, comprising:

- an image sensor having a field of view;
- a pattern projector for projecting a pattern into the field of view;
- an electronic processor receiving image information from the image sensor for detecting and decoding optical code in the field of view of the image sensor and for

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producing a signal related in value to the dimension of the one or more features in the field of view based on image information relating to at least a portion of the projected pattern.

42. (New) The system of claim 41 further comprising a weighing platform on which the pattern is projected, which platform moves in response to the weight placed thereon, and wherein a signal responsive to the amount of movement of the platform is determined based on image information.

43. (New) The system of claim 42, wherein the weight of an object on the platform is calculated from the value of the signal.

44. (New) The system of claim 1, wherein measurement of movement of the platform is determined from image data relating to indicia marked on the platform.--

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IN THE ABSTRACT:

Please replace the Abstract with the following:

--Imaging optical code readers and imaging systems are disclosed for measuring or deriving physical parameters of objects in a field of view such as object dimensions and weights. A projected pattern and weight responsive platform may be used in such measurements.--

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